



# Ammonia

Equipment Recommendations	Model No.	Page No.
Single Stage Regulator	Series 3610A-CGA	316
Mini High Purity Regulator	Series 3570-180	314
Low Dead Volume Regulator (for Concentrations < 50ppm)	Series 3590-CGA*	313

Balance Gas	Concentration Range	Matheson Mixtures Grades						Cylinder Size	CGA*	Contents		Pressure		Approximate Ship Weight	
		MR	P	C+	C	U	G			US	Metric	psig	kPa	lb	kg
Air	10 ppm - 2000 ppm			•	•		•	1R	705	145 ft <sup>3</sup>	4.11 m <sup>3</sup>	2,000	13,790	70	32
								2R	705	78 ft <sup>3</sup>	2.21 m <sup>3</sup>	2,000	13,790	48	22
								3R	705	29 ft <sup>3</sup>	0.82 m <sup>3</sup>	2,000	13,790	24	11
								6R	180	3.73 ft <sup>3</sup>	106 L	1,800	12,411	2	1
Helium	20 ppm - 2000 ppm			•	•		•	1R	705	136 ft <sup>3</sup>	3.85 m <sup>3</sup>	2,000	13,790	70	32
								2R	705	73 ft <sup>3</sup>	2.07 m <sup>3</sup>	2,000	13,790	48	22
								3R	705	27 ft <sup>3</sup>	0.77 m <sup>3</sup>	2,000	13,790	24	11
								6R	180	3.51 ft <sup>3</sup>	99 L	1,800	12,411	2	1
Nitrogen	5 ppm - 2000 ppm			•	•		•	1R	705	143 ft <sup>3</sup>	4.05 m <sup>3</sup>	2,000	13,790	70	32
								2R	705	77 ft <sup>3</sup>	2.18 m <sup>3</sup>	2,000	13,790	48	22
								3R	705	29 ft <sup>3</sup>	0.82 m <sup>3</sup>	2,000	13,790	24	11
								6R	180	3.69 ft <sup>3</sup>	104 L	1,800	12,411	2	1

Contents and pressure may vary with concentration and ambient temperature.  
Each cylinder has NIST traceable certification by analysis.

**Key for Matheson Mixtures Grades:**

MR = Matheson Reference Standard    C+ = Certified Plus Standard    U = Unanalyzed Standard  
P = Primary Standard    C = Certified Standard    G = Gravimetric Standard

For more information on Matheson Mixture Grades, please refer to pages 66 - 68.